

Jean-Marie Barbaroux

List of Publications by Year in descending order

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citations

1040056

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22
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docs citations

22
times ranked

142
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Stability of the Relativistic Electron-Positron Field. Communications in Mathematical Physics, 1999, 201, 445-460.	2.2	49
2	Generalized fractal dimensions: equivalences and basic properties. Journal Des Mathematiques Pures Et Appliquees, 2001, 80, 977-1012.	1.6	46
3	Out of Equilibrium Correlations in the XY Chain. Letters in Mathematical Physics, 2006, 77, 11-20.	1.1	32
4	Fractal dimensions and the phenomenon of intermittency in quantum dynamics. Duke Mathematical Journal, 2001, 110, 161.	1.5	29
5	QUANTUM ELECTRODYNAMICS OF RELATIVISTIC BOUND STATES WITH CUTOFFS. Journal of Hyperbolic Differential Equations, 2004, 01, 271-314.	0.5	21
6	On the Hartree-Fock Equations of the Electron-Positron Field. Communications in Mathematical Physics, 2005, 255, 131-159.	2.2	21
7	Binding Conditions for Atomic N-electron Systems in Non-Relativistic QED. Annales Henri Poincare, 2003, 4, 1101-1136.	1.7	19
8	Gevrey Smoothing for Weak Solutions of the Fully Nonlinear Homogeneous Boltzmann and Kac Equations Without Cutoff for Maxwellian Molecules. Archive for Rational Mechanics and Analysis, 2017, 225, 601-661.	2.4	15
9	Quantitative Estimates on the Binding Energy for Hydrogen in Non-Relativistic QED. Annales Henri Poincare, 2010, 11, 1487-1544.	1.7	14
10	Resolvent Convergence to Dirac Operators on Planar Domains. Annales Henri Poincare, 2019, 20, 1877-1891.	1.7	11
11	Some Connections between Dirac-Fock and Electron-Positron Hartree-Fock. Annales Henri Poincare, 2005, 6, 85-102.	1.7	9
12	On the ground state energy of the translation invariant Pauli-Fierz model. Proceedings of the American Mathematical Society, 2008, 136, 1057-1064.	0.8	8
13	Remarks on the Mittleman max-min variational method for the electron-positron field. Journal of Physics A, 2006, 39, 85-98.	1.6	6
14	Quantitative estimates on the enhanced binding for the Pauli-Fierz operator. Journal of Mathematical Physics, 2005, 46, 122103.	1.1	5
15	Exponential spatial decay of spin-spin correlations in translation invariant quasifree states. Journal of Mathematical Physics, 2007, 48, 113302.	1.1	5
16	Spectral Theory for a Mathematical Model of the Weak Interaction: The Decay of the Intermediate Vector Bosons W^\pm , II. Annales Henri Poincare, 2011, 12, 1539-1570.	1.7	5
17	Strong smoothing for the non-cutoff homogeneous Boltzmann equation for Maxwellian molecules with Debye-Yukawa type interaction. Kinetic and Related Models, 2017, 10, 901-924.	0.9	5
18	Nonlinear variation of diffusion exponents in quantum dynamics. Comptes Rendus Mathematique, 2000, 330, 409-414.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Limiting absorption principle at low energies for a mathematical model of weak interaction: The decay of a boson. <i>Comptes Rendus Mathematique</i> , 2009, 347, 1087-1092.	0.3	4
20	Spectral Gaps in Graphene Antidot Lattices. <i>Integral Equations and Operator Theory</i> , 2017, 89, 631-646.	0.8	4
21	Quantitative estimates on the binding energy for hydrogen in non-relativistic QED, II: The spin case. <i>Reviews in Mathematical Physics</i> , 2014, 26, 1450016.	1.7	1